

STN Search Summary  
09/957483

=> d his

FILE 'CAPLUS' ENTERED AT 17:55:12 ON 15 DEC 2004

L1 731 S EPOTHILONE  
L2 95 S L1 AND (EXTRACT? OR PURIF? OR CRYSTAL? OR RECRYSTAL? OR ISOLA  
L3 60 S L1 AND (EXTRACT? OR PURIF? OR CRYSTAL? OR RECRYSTAL?)  
L4 35 S L1 AND CRYSTAL?  
L5 23 S L4 AND PD<2003  
L6 2 S L5 AND WATER  
L7 4 S L2 AND WATER  
L8 2 S L7 NOT L6  
L9 21 S L5 NOT L6

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:995507 CAPLUS

TI Method for separating and purifying epothilone from the ferment  
liquor of Myxobacteria

IN Hu, Wei; Li, Yuezhong; Liu, Xinli; Han, Guanjun

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1369484	A	20020918	CN 2002-110067	20020207 <--
PRAI CN 2002-110067		20020207		

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:144255 CAPLUS

TI Large-Scale Isolation and Crystallization of Epothilone  
D From Myxococcus xanthus Cultures

AU Arslanian, Robert L.; Parker, Charles D.; Wang, Peter K.; McIntire, James  
R.; Lau, Janice; Starks, Courtney; Licari, Peter J.

SO Journal of Natural Products (2002), 65(4), 570-572

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:113397 CAPLUS

TI Process for the preparation of epothilone analogs

IN Li, Wen Sen; Thornton, John E.; Guo, Zhenrong; Swaminathan, Shankar

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6518421	B1	20030211	US 2001-775361	20010201
US 2003004338	A1	20030102	US 2001-946721	20010905
WO 2002060904	A2	20020808	WO 2002-US1853	20020122
WO 2002060904	A3	20030227		
PRAI US 2000-528526	A2	20000320		
US 2001-775361	A2	20010201		
US 2001-946721	A	20010905		

OS CASREACT 138:153369; MARPAT 138:153369

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:540805 CAPLUS

TI Prediction of the binding site of Paclitaxel, Epothilone, and  
Discodermolide on by docking studies.

AU Bhonsle, Jayendra B.; Avery, Mitchell A.

CS Department of Medicinal Chemistry, School of Pharmacy, University of  
Mississippi, University, MS, 38677, USA

SO Book of Abstracts, 218th ACS National Meeting, New Orleans, Aug. 22-26  
(1999), COMP-094 Publisher: American Chemical Society, Washington, D. C.

L9 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:314889 CAPLUS  
 DN 136:340534  
 TI Method for the production of asymmetrically substituted acyloins and derivatives and for the production of epothilones B, D and their derivatives  
 IN Wessjohann, Ludger A.; Scheid, Guenther; Bornscheuer, Uwe; Henke, Erik; Kuit, Wouter; Orru, Romano  
 PA Morphochem A.-G., Germany  
 SO PCT Int. Appl., 182 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002032844	A2	20020425	WO 2001-EP11992	20011016 <--
	WO 2002032844	C1	20030821		
	DE 10051136	A1	20020418	DE 2000-10051136	20001016 <--
	DE 10134172	A1	20030123	DE 2001-10134172	20010713
	AU 2002021693	A5	20020429	AU 2002-21693	20011016 <--
	EP 1358144	A1	20031105	EP 2001-987736	20011016
	US 2004082651	A1	20040429	US 2003-414510	20030415
PRAI	DE 2000-10051136	A	20001016		
	DE 2001-10134172	A	20010713		
	WO 2001-EP11992	W	20011016		
OS	CASREACT 136:340534; MARPAT 136:340534				

L9 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:142714 CAPLUS  
 DN 136:200048  
 TI Preparation of polymorphs of an epothilone analog and their use as antitumor agents  
 IN Dimarco, John D.; Gougoutas, Jack Z.; Vitez, Imre M.; Davidovich, Martha; Galella, Michael; Malloy, Timothy M.; Guo, Zhenrong; Favreau, Denis  
 PA Bristol-Myers Squibb Company, USA  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002014323	A2	20020221	WO 2001-US24540	20010801 <--
	WO 2002014323	A3	20020502		
	CA 2418109	AA	20020221	CA 2001-2418109	20010801 <--
	AU 2001081082	A5	20020225	AU 2001-81082	20010801 <--
	EP 1309597	A2	20030514	EP 2001-959536	20010801
	SI 21100	C	20030630	SI 2001-20055	20010801
	BR 2001013234	A	20040225	BR 2001-13234	20010801
	JP 2004506638	T2	20040304	JP 2002-519462	20010801
	US 2002188014	A1	20021212	US 2001-925112	20010809 <--
	US 6689802	B2	20040210		
	BG 107467	A	20030930	BG 2003-107467	20030116
	NO 2003000707	A	20030415	NO 2003-707	20030214
	LT 5138	B	20040625	LT 2003-17	20030225
	HR 2003000190	A1	20030430	HR 2003-190	20030314

	US 2004157897	A1	20040812	US 2004-773819	20040206
PRAI	US 2000-225590P	P	20000816		
	WO 2001-US24540	W	20010801		
	US 2001-925112	A1	20010809		

L9 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:11427 CAPLUS  
 TI Alkyne metathesis: development of a novel molybdenum-based catalyst system and its application to the total synthesis of epothilone A and C  
 AU Furstner, Alois; Mathes, Christian; Lehmann, Christian W.  
 SO Chemistry--A European Journal (2001), 7(24), 5299-5317

L9 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:816957 CAPLUS  
 TI Production of polyketides  
 IN Arslanian, Robert L.; Ashley, Gary; Frykman, Scott; Julien, Bryan; Katz, Leonard; Khosla, Chaitan; Lau, Janice; Licardi, Peter J.; Regentin, Rika; Santi, Daniel; Tang, Li

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001083800	A2	20011108	WO 2001-US13793	20010426 <--
	WO 2001083800	C1	20030103		
	WO 2001083800	A3	20030410		
	WO 2001083800	C2	20030912		
	US 6410301	B1	20020625	US 2000-560367	20000428 <--
	US 2002156110	A1	20021024	US 2001-825876	20010403 <--
	US 6589968	B2	20030708		
	US 6489314	B2	20021203	US 2001-825856	20010403 <--
	US 2002193361	A1	20021219		
	CA 2404938	AA	20011108	CA 2001-2404938	20010426 <--
	AU 2001095195	A5	20011112	AU 2001-95195	20010426 <--
	EP 1320611	A2	20030625	EP 2001-973782	20010426
	JP 2004508810	T2	20040325	JP 2001-580407	20010426
	US 2003073205	A1	20030417	US 2001-957483	20010919
PRAI	US 2000-560367	A	20000428		
	US 2000-232696P	P	20000914		
	US 2000-257517P	P	20001221		
	US 2001-269020P	P	20010213		
	US 2001-825856	A	20010403		
	US 2001-825876	A	20010403		
	US 1998-109401P	P	19981120		
	US 1999-119386P	P	19990210		
	US 1999-122620P	P	19990303		
	US 1999-130560P	P	19990422		
	US 1999-443501	A2	19991119		
	WO 1999-US27438	A2	19991119		
	WO 2001-US13793	W	20010426		

OS MARPAT 135:343416

L9 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:402025 CAPLUS  
 TI The 12,13-diol cyclization approach for a truly stereocontrolled total synthesis of epothilone B and the synthesis of a conformationally restrained analog  
 AU Martin, Harry J.; Pojarliev, Peter; Kahlig, Hanspeter; Mulzer, Johann  
 SO Chemistry--A European Journal (2001), 7(10), 2261-2271

L9 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:597944 CAPLUS  
 TI A Novel Application of a Pd(0)-Catalyzed Nucleophilic Substitution  
 Reaction to the Regio- and Stereoselective Synthesis of Lactam Analogues  
 of the Epothilone Natural Products  
 AU Borzilleri, Robert M.; Zheng, Xiaoping; Schmidt, Robert J.; Johnson, James  
 A.; Kim, Soong-Hoon; DiMarco, John D.; Fairchild, Craig R.; Gougoutas,  
 Jack Z.; Lee, Francis Y. F.; Long, Byron H.; Vite, Gregory D.  
 SO Journal of the American Chemical Society (2000), 122(37), 8890-8897

L9 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:316343 CAPLUS  
 TI The Olefin Metathesis Approach to Epothilone A and Its Analogs  
 AU Nicolaou, K. C.; He, Y.; Vourloumis, D.; Vallberg, H.; Roschangar, F.;  
 Sarabia, F.; Ninkovic, S.; Yang, Z.; Trujillo, J. I.  
 SO Journal of the American Chemical Society (1997), 119(34),  
 7960-7973

L9 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:273850 CAPLUS  
 TI Synthesis, Structure Proof, and Biological Activity of Epothilone  
 Cyclopropanes  
 AU Johnson, James; Kim, Soong-Hoon; Bifano, Marc; DiMarco, John; Fairchild,  
 Craig; Gougoutas, Jack; Lee, Francis; Long, Byron; Tokarski, John; Vite,  
 Gregory  
 SO Organic Letters (2000), 2(11), 1537-1540

L9 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:528752 CAPLUS  
 TI The Olefin Metathesis Approach to Epothilone A and Its Analogs  
 AU Nicolaou, K. C.; He, Y.; Vourloumis, D.; Vallberg, H.; Roschangar, F.;  
 Sarabia, F.; S.Ninkovic; Yang, Z.; Trujillo, J. I.  
 SO Journal of the American Chemical Society (1997), 119(34), 7960-7973

L9 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:330310 CAPLUS  
 TI Synthesis of epothilones A and B in solid and solution phase  
 AU Nicolaou, K. C.; Winssinger, N.; Pastor, J.; Ninkovic, S.; Sarabia, F.;  
 He, Y.; Vourloumis, D.; Yang, Z.; Li, T.; Giannakakou, P.; Hamel, E.  
 SO Nature (London) (1997), 387(6630), 268-272

L9 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:149897 CAPLUS  
 TI Synthesis of the C1-C9 segment of epothilons  
 AU Claus, Eckhard; Pahl, Axel; Jones, Peter G.; Meyer, Hartmut M.; Kalesse,  
 Markus  
 SO Tetrahedron Letters (1997), 38(8), 1359-1362

L9 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:473443 CAPLUS  
 TI Antibiotics from gliding bacteria. 77. Epothilone A and B -  
 novel 16-membered macrolides with cytotoxic activity: isolation,  
 crystal structure, and conformation in solution  
 AU Hoefle, Gerhard; Bedorf, Norbert; Steinmetz, Heinrich; Schomburg, Dietmar;  
 Gerth, Klaus; Reichenbach, Hans  
 SO Angewandte Chemie, International Edition in English (1996),  
 35(13/14), 1567-1569

**STN Search Summary**  
09/957483

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FILE 'REGISTRY' ENTERED AT 16:19:43 ON 15 DEC 2004

L6 1 S (METHYL OLEATE)/CN

FILE 'CAPLUS' ENTERED AT 16:21:17 ON 15 DEC 2004

L7 3317 S L6

L8 3 S L7 AND (EPOTHILONE OR XANTHUS)

  

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:174509 CAPLUS

TI Preparation of epothilone derivatives for treatment of diseases

IN or conditions characterized by cellular hyperproliferation, such as cancer

Ashley, Gary; Arslanian, Robert L.; Carney, John; Metcalf, Brian; Tang, Li

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003045711	A1	20030306	US 2002-115198	20020402
US 2002156110	A1	20021024	US 2001-825876	20010403
US 6589968	B2	20030708		
US 6489314	B2	20021203	US 2001-825856	20010403
US 2002193361	A1	20021219		
US 2001-269020P	P	20010213		
US 2001-825856	A2	20010403		
US 2001-825876	A2	20010403		

OS MARPAT 138:221394

  

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:370405 CAPLUS

TI Optimizing the heterologous production of epothilone D in

Myxococcus xanthus

AU Lau, Janice; Frykman, Scott; Regentin, Rika; Ou, Sally; Tsuruta, Hiroko;

Licari, Peter

SO Biotechnology and Bioengineering (2002), 78(3), 280-288

  

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:816957 CAPLUS

TI Production of polyketides

IN Arslanian, Robert L.; Ashley, Gary; Frykman, Scott; Julien, Bryan; Katz,

Leonard; Khosla, Chaitan; Lau, Janice; Licardi, Peter J.; Regentin, Rika;

Santi, Daniel; Tang, Li

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083800	A2	20011108	WO 2001-US13793	20010426
WO 2001083800	C1	20030103		
WO 2001083800	A3	20030410		
WO 2001083800	C2	20030912		
US 6410301	B1	20020625	US 2000-560367	20000428
US 2002156110	A1	20021024	US 2001-825876	20010403
US 6589968	B2	20030708		
US 6489314	B2	20021203	US 2001-825856	20010403
US 2002193361	A1	20021219		
CA 2404938	AA	20011108	CA 2001-2404938	20010426
AU 2001095195	A5	20011112	AU 2001-95195	20010426
EP 1320611	A2	20030625	EP 2001-973782	20010426
JP 2004508810	T2	20040325	JP 2001-580407	20010426
US 2003073205	A1	20030417	US 2001-957483	20010919

PRAI	US	2000-560367	A	20000428
	US	2000-232696P	P	20000914
	US	2000-257517P	P	20001221
	US	2001-269020P	P	20010213
	US	2001-825856	A	20010403
	US	2001-825876	A	20010403
	US	1998-109401P	P	19981120
	US	1999-119386P	P	19990210
	US	1999-122620P	P	19990303
	US	1999-130560P	P	19990422
	US	1999-443501	A2	19991119
	WO	1999-US27438	A2	19991119
	WO	2001-US13793	W	20010426
OS	MARPAT 135:343416			

## WEST Search History

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<input type="checkbox"/>	L20	L19 same (water or h2o)	29
<input type="checkbox"/>	L19	L17 same epothilone	107
<input type="checkbox"/>	L18	L17 and epothilone	590
<input type="checkbox"/>	L17	crystal\$ or recrystal\$	1404598

END OF SEARCH HISTORY

## WEST Search History

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<input type="checkbox"/>	L13	methyl adj oleate	2707

END OF SEARCH HISTORY